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DATE MAILED: 07/25/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/707,897	01/22/2004	Jay S. Burnham	BUR920030110US1	1896		
7	590 07/25/2006		EXAM	EXAMINER		
ANDREW M. CALDERON			PRENTY, MARK V			
GREENBLUM AND BERNSTEIN P.L.C.						
1950 ROLAND CLARKE PLACE			ART UNIT	PAPER NUMBER		
RESTON, VA 20191			2822			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicat	on No.	Applicant(s)		
Office Action Summary		10/707,8	10/707,897 BURNHAM ET A		,	
		Examine	r	Art Unit		
		MARK P	RENTY	2822		
The MAILII Period for Reply	NG DATE of this communi	ication appears on th	e cover sheet with the	correspondence add	dress	
A SHORTENED S WHICHEVER IS I - Extensions of time ma after SIX (6) MONTHS - If NO period for reply i - Failure to reply within I Any reply received by	STATUTORY PERIOD FO ONGER, FROM THE M by be available under the provisions from the mailing date of this comm s specified above, the maximum sta- he set or extended period for reply- the Office later than three months a ustment. See 37 CFR 1.704(b).	AILING DATE OF T of 37 CFR 1.136(a). In no er unication. ututory period will apply and will, by statute, cause the ap	HIS COMMUNICATIC /ent, however, may a reply be t vill expire SIX (6) MONTHS froi plication to become ABANDON	ON. timely filed m the mailing date of this co IED (35 U.S.C. § 133).		
Status						
2a)☐ This action 3)⊠ Since this a	to communication(s) file is FINAL. 2 pplication is in condition cordance with the practic	2b)☐ This action is for allowance excep	t for formal matters, p		merits is	
Disposition of Claim	S					
4a) Of the al 5)⊠ Claim(s) <u>17</u> 6)□ Claim(s) <u></u> 7)□ Claim(s) <u></u> 8)□ Claim(s) <u></u>	-19,21,32-34 and 36 is/and ove claim(s) is/and ove claim(s) is/and 36 is/and 36 is/and is/are rejected is/are rejected to are subject to restrice	re withdrawn from co re allowed.	onsideration.			
Application Papers						
10) The drawing Applicant ma Replacement	ation is objected to by the (s) filed on is/are: y not request that any object drawing sheet(s) including declaration is objected to	a) accepted or betion to the drawing(s) the correction is requi	be held in abeyance. Se red if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CF		
Priority under 35 U.S	S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
	n's Patent Drawing Review (P ⁻ e Statement(s) (PTO-1449 or I		4) Interview Summar Paper No(s)/Mail [5] Notice of Informal 6) Other:	Date	-152)	

Application/Control Number: 10/707,897

Art Unit: 2822

This Office Action is in response to the amendment filed on July 21, 2006.

For the record, the "Notice of Panel Decision from Pre-Appeal Brief Review" mailed July 12, 2006 is incorrect. Specifically, the applicants filed a Request for Pre-Appeal Brief Review on April 18, 2006, but withdrew that request in the amendment filed on June 29, 2006. An appeal conference was never held and the appealed rejections were not withdrawn (they were rendered moot by the amendment, which canceled all of the rejected claims). The Notice, which does not provide for the situation where an applicant withdraws its request for pre-appeal brief review, was processed in order to accommodate the USPTO's PALM system.

The specification is objected to in that "atoms/cm²" [paragraphs 0036 and 0047] should read, "atoms/cm³," because such is the parameter of the <u>concentration</u> context of those paragraphs (see paragraph [0036], for example, which subsequently discloses "However, other levels of nitrogen <u>concentration</u> may be achieved"). Correction is required (note that the amendment filed on November 2, 2005, made similar corrections to paragraphs 0032-0034, 0036, 0046 and 0047, but the "supplemental" amendment filed on November 4, 2005, undid the corrections made to paragraphs 0036 and 0047).

Claims 17-19, 21, 32-34 and 36 are allowable over the prior art of record.

This application is apparently in condition for allowance except for the above formal matter.

Prosecution on the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire TWO

MONTHS from the mailing date of this letter.

Registered practitioners can telephone the examiner at (571) 272-1843. Any

voicemail message left for the examiner must include the name and registration number

of the registered practitioner calling, and the Application/Control (Serial) Number.

Technology Center 2800's general telephone number is (571) 272-2800.

Mark V. Prenty
Primary Examiner

Page 3